BenQ

MP610 / MP720 / MP770

Ceiling Mounting Guide

Welcome

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iii Safety Instructions

1. Follow the instructions in this guide when installing the projector with this bracket. Improper or inadequate installation could cause the projector to fall and cause injures.
2. Make sure the installation is secure enough to bear the weight of all and withstand vibrations.
3. Use only the parts provided with the bracket, and any parts (commercially available) that are specified in this guide.
4. Do not modify the bracket or the parts provided with the bracket.
5. Do not use damaged parts. If any parts become damaged, contact your dealer.
6. All bolts and screws must be tightened securely.
7. Make sure not to block any ventilation openings when installing the projector.
8. Do not install the projector in a location that is subject to high levels of dust or humidity.
9. Do not install the projector in a location that is exposed to direct sunlight or in a location that is subject to extreme fluctuations in temperature (such as near an air conditioner).
10. Clean only with a dry cloth.
11. Special techniques and experience are required when installing the projector with this bracket. It is recommended that you contact your dealer to install the projector for you.
12. Once the projector is installed, safety checks should be conducted on a regular basis.

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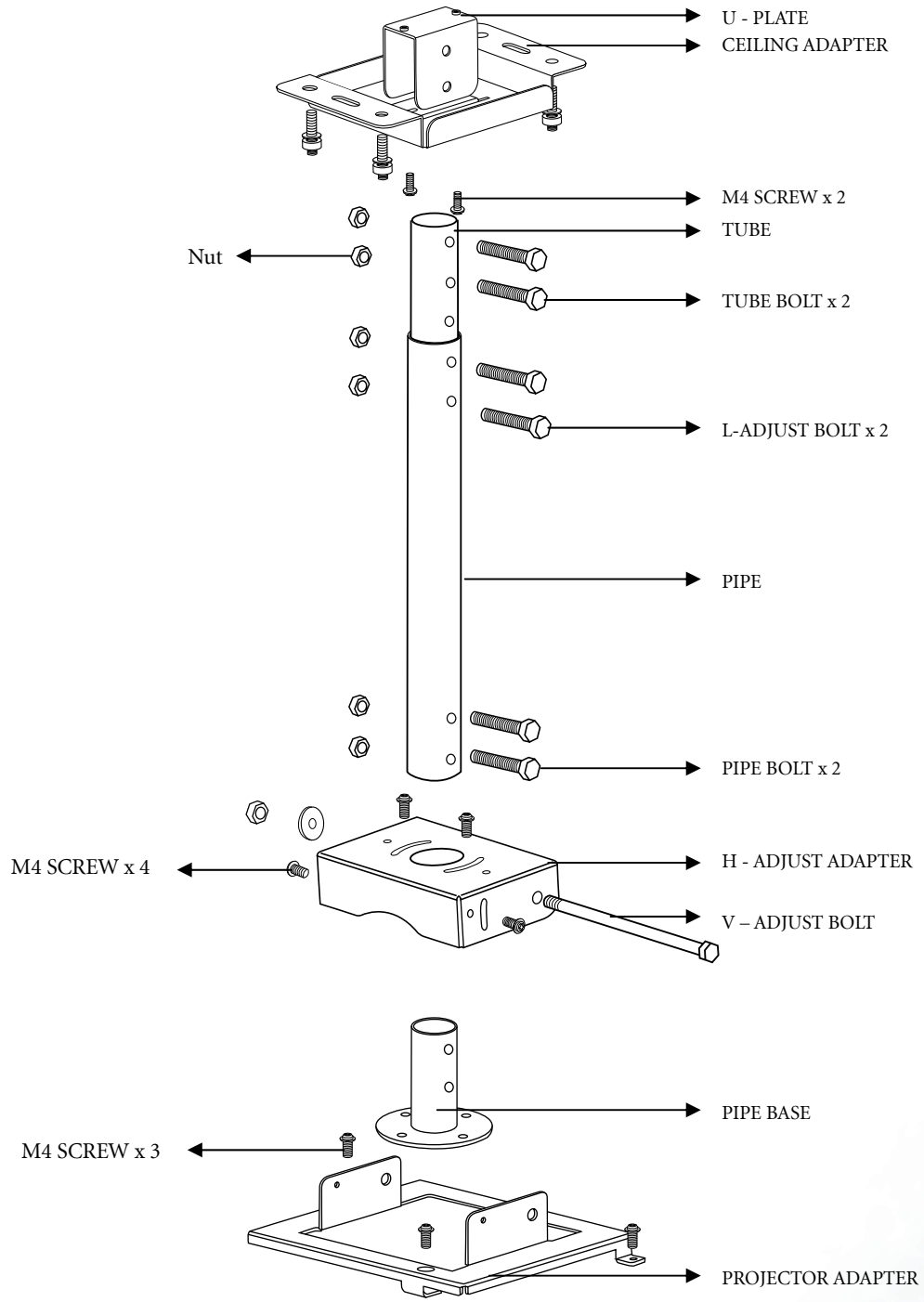
1 Packing Parts List

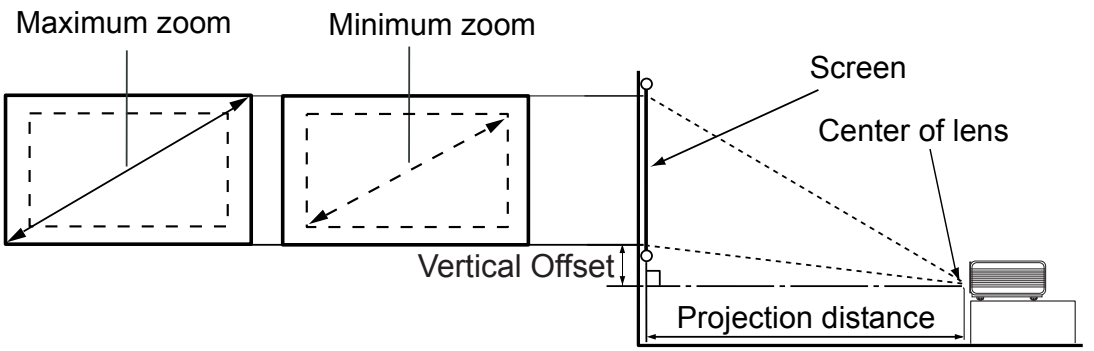
✓ CEILING ADAPTER	✓ U-PLATE	✓ TUBE
✓ PIPE	✓ PIPE-BASE	✓ H – ADJUST ADAPTER
✓ PROJECTOR ADAPTER	✓ V – ADJUST BOLT	✓ NUT x 7
✓ WASHER x 1	✓ M4 SCREW x 10	✓ BOLT x 6 (TUBE BOLT x 2, L – ADJUST BOLT x 2, PIPE BOLT x 2)

Names of Parts



2Projector Installation and Throw Distance Chart

Floor Installation for a 4:3 screen



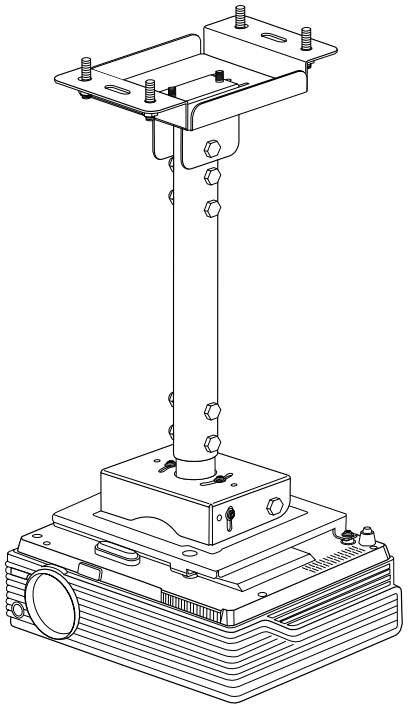
Screen Size (Diagonal)			Distance from Screen in mm			Vertical Offset in mm
Feet	Inches	mm	Min length (with max. zoom)	Average	Max length (with min. zoom)	
4	48	1219	1745	1876	2007	18
		1500	2148	2199	2250	23
5	60	1524	2182	2345	2509	23
6	72	1829	2618	2815	3011	27
		2000	2863	3078	3293	30
7	84	2134	3055	3284	3513	32
8	96	2438	3491	3753	4015	36
		2500	3579	3848	4116	38
9	108	2743	3927	4222	4516	41
		3000	4295	4617	4939	45
10	120	3048	4364	4691	5018	46
		3500	5011	5387	5763	53
12	144	3658	5236	5629	6022	55
		4000	5727	6157	6586	60
15	180	4572	6545	7036	7527	69
		5000	7158	7695	8232	75
18	216	5436	7855	8444	9033	82
		6000	8590	9234	9878	90
25	300	7620	10909	11727	12545	114

- **The recommended focus range is from 1500-8000 millimeters (1.5-8 meters).**
- **There is 3%-5% tolerance among these numbers due to optical component variations.**

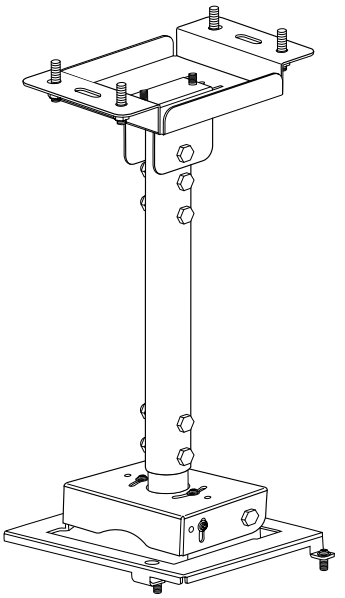
3 Installing a Projector with The Ceiling Bracket

Overview

■ Diagram of completed installation



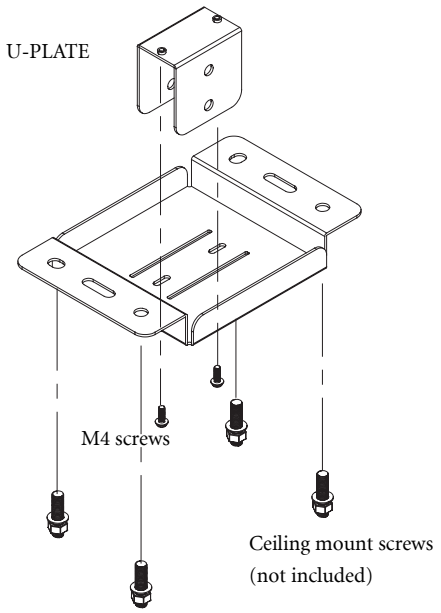
■ Ceiling Mount Device



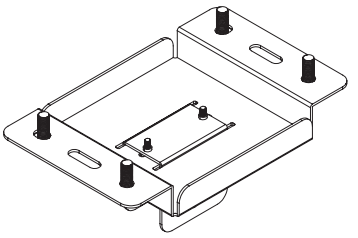
Installation Procedure

STEP A

Insert the U-PLATE into the CEILING ADAPTER, and tighten two M4 screws (from the bottom) into the screw holes. Then attach the top part to the ceiling.

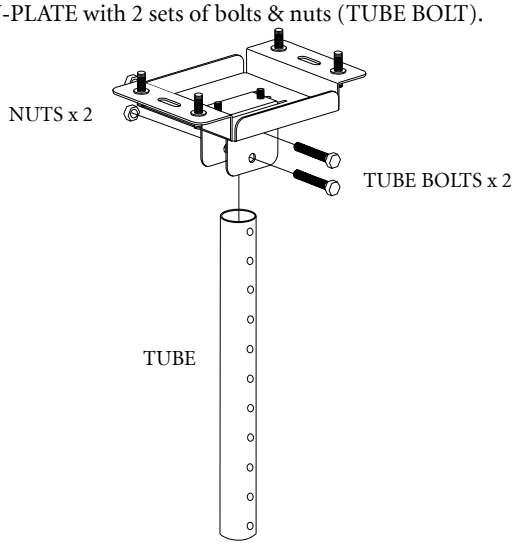


CEILING ADAPTER



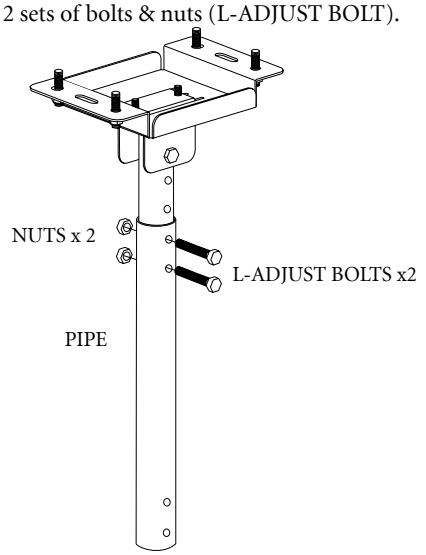
STEP B

Install the TUBE and the U-PLATE with 2 sets of bolts & nuts (TUBE BOLT).



STEP C

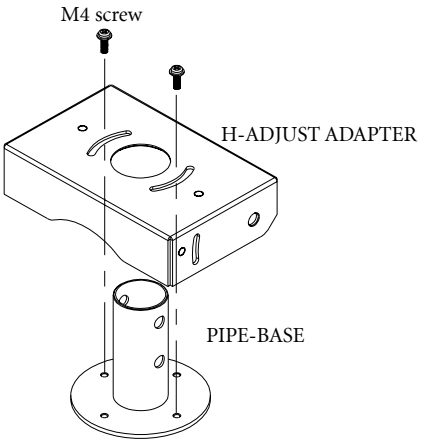
Install the PIPE and the TUBE with 2 sets of bolts & nuts (L-ADJUST BOLT).



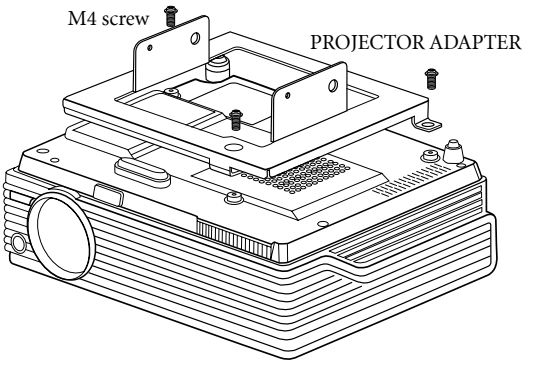
STEP D

Install the base-assembly.

STEP D1 Attach the PIPE-BASE to the H-ADJUST ADAPTER with 2 M4 screws.

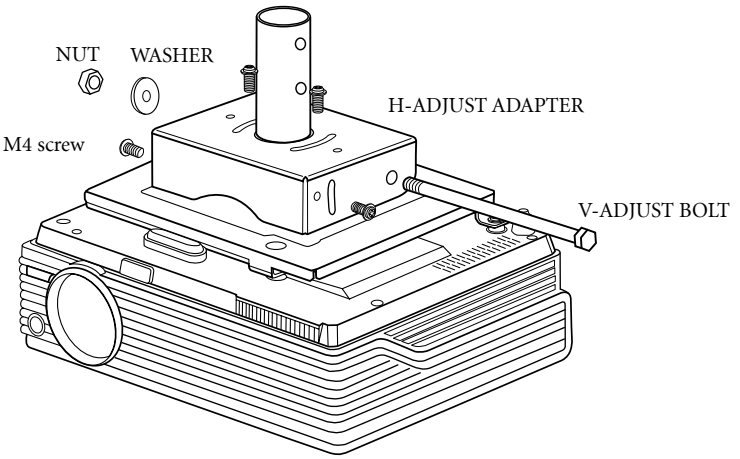


STEP D2 Assemble the PROJECTOR ADAPTER and the projector with 3 M4 screws.



STEP E

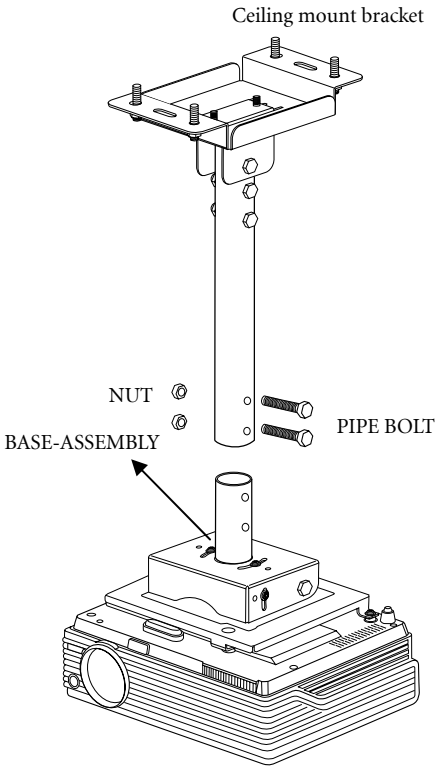
Combine the H-ADJUST ADAPTER (including the PIPE-BASE) and the PROJECTOR ADAPTER with one V-ADJUST BOLT set (bolt, washer and nut). Then tighten the M4 screws on both sides.

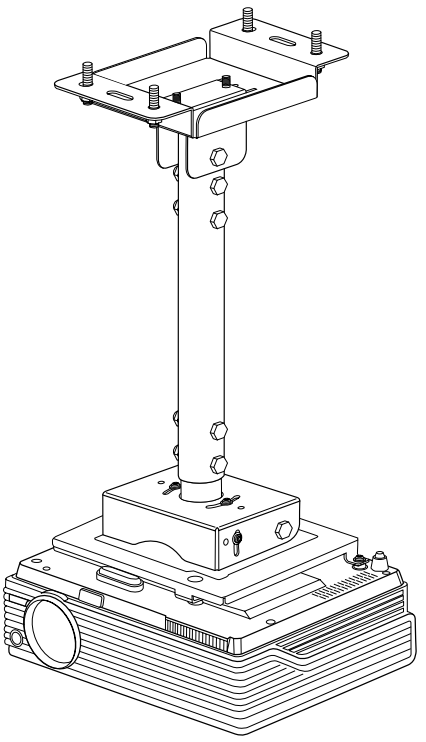


STEP F

Assemble BASE-ASSEMBLY and the ceiling mount device with 2 sets of bolts and nuts (PIPE BOLT sets).

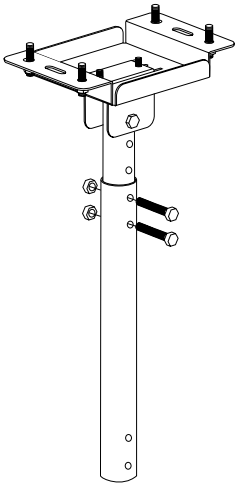
***Two people are required for the completion of this step.**





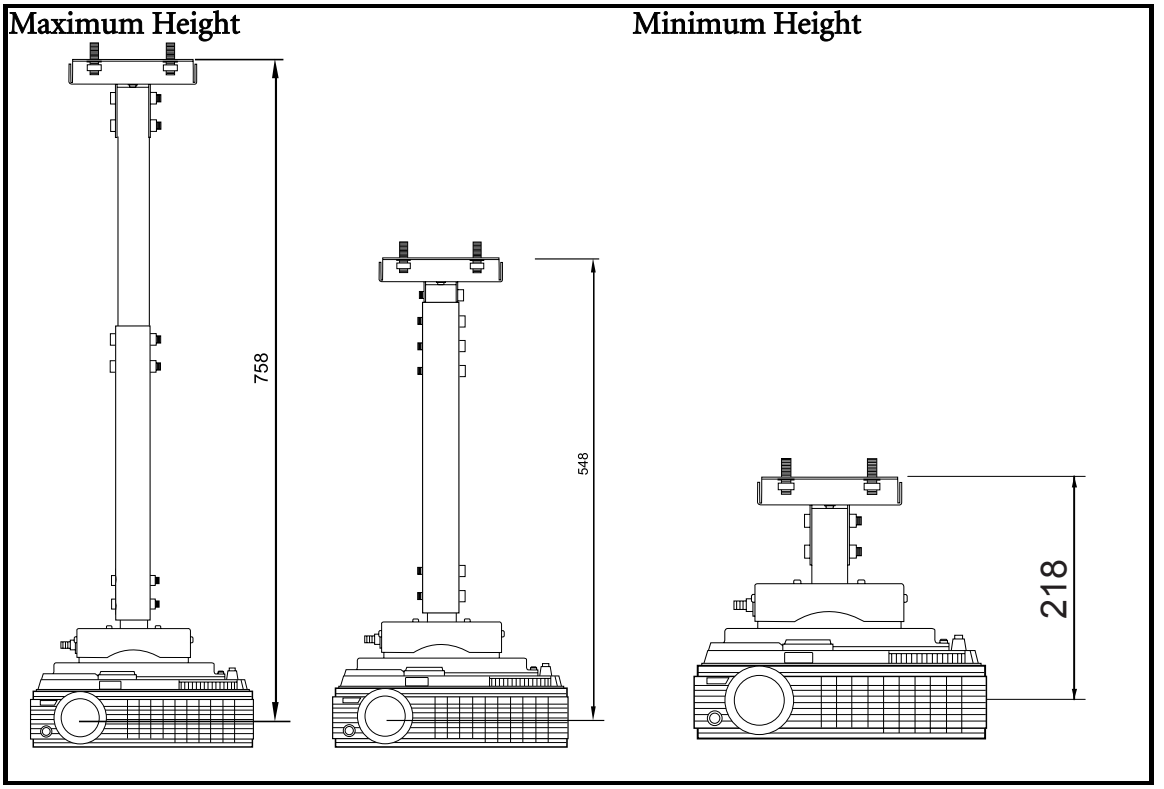
Installation finished.

4 Adjusting the Ceiling Bracket

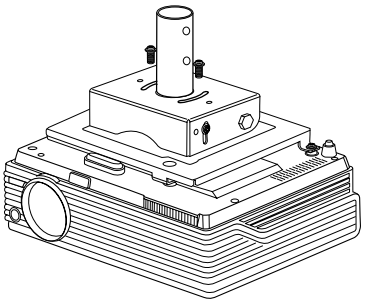


Height Adjustment

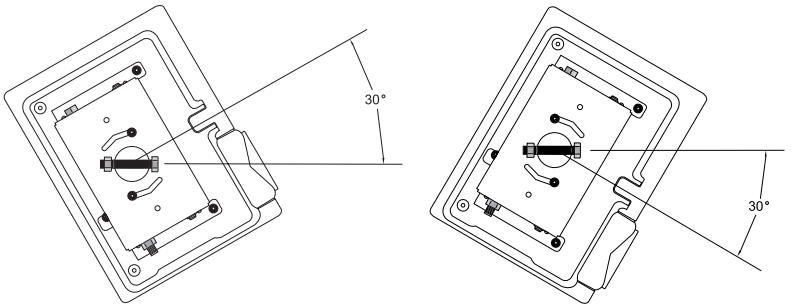
1. Make sure to remove the projector first.
2. Loosen the nuts securing to the two L-ADJUST BOLTS.
3. Remove the L-ADJUST BOLTS from the PIPE.
4. Adjust to the correct position for the height of the screen. The height can be adjusted to 218mm or any value in a range between 548mm and 758mm in increments of 30 mm.
5. Insert the L-ADJUST BOLT back into the PIPE, and then re-attach the nuts previously removed.



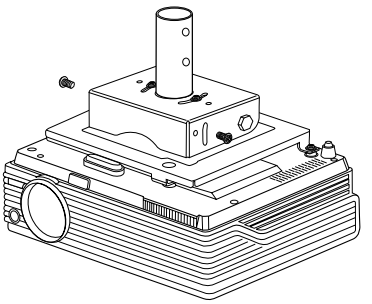
Horizontal Angle Adjustment



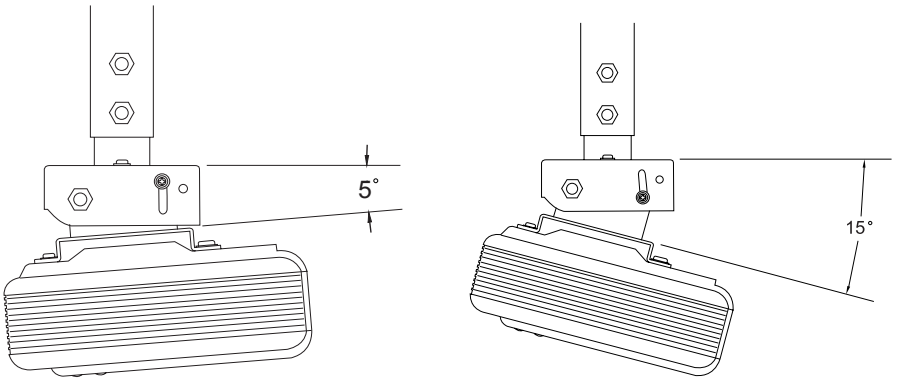
1. Loosen the two sets of screws connecting the PIPE-BASE and the H-ADJUST ADAPTER.
2. Adjust the horizontal angle so that it is correct for the orientation of the screen.
3. Re-tighten the two sets of screws connecting the PIPE-BASE and the H-ADJUST ADAPTER.
4. The swivel angle can be set within a range of negative to positive 30 degrees.



Vertical Angle Adjustment



1. Loosen the two sets of screws connecting the H-ADJUST ADAPTER and the PROJECTOR ADAPTER.
2. Adjust the vertical angle to the correct one for the orientation of the screen.
3. Re-tighten the 2 sets of screws connecting the H-ADJUST ADAPTER and the PROJECTOR ADAPTER.
4. The tilt angle can be adjusted in a range between +5 and -15 degrees.



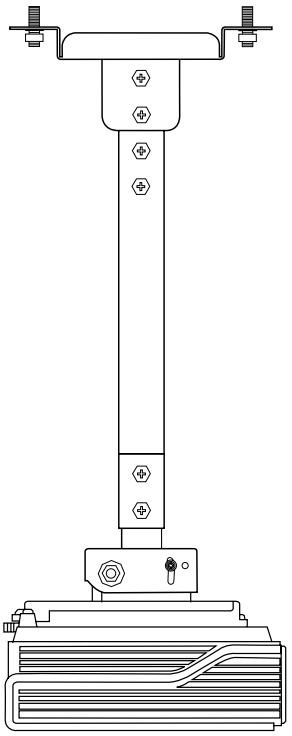
5 Specifications and Diagrams

Specifications

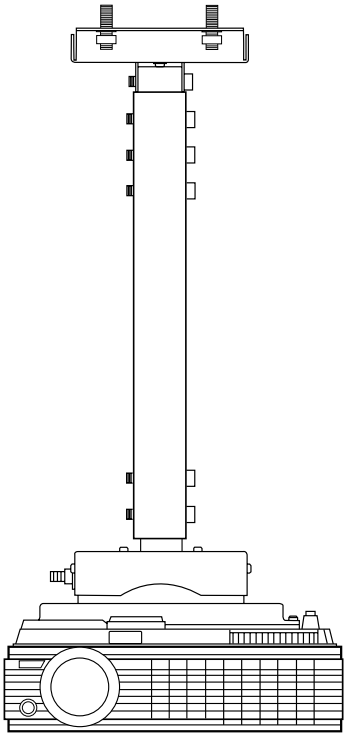
Adjustment Range	
Height	218mm, 548mm, 578mm, 608mm, 638mm, 668mm, 698mm, 728mm and 758mm.
Horizontal angle	–30 to +30 degrees
Vertical angle	+5 to -15 degrees
Weight	3.2 kg
Loading	3.5 kg

Diagrams

■ Left View



■ Front view



■ Right view